


SERIES TYPE & NAME	BEAR BAR HEIGHT	TOP FLANGE WIDTH	LBS./SF 19-S-4	LOAD/ DEFL	CLEAR SPAN																		
					12"	18"	24"	30"	36"	42"	48"	54"	60"	66"	72"	78"	84"	90"	96"	102"	108"	114"	120"
TB-626-100	1"	0.626"	2.7	U	3962	1761	990	634	440	323	248	196	158	131	110	94	81	70	62	55	49	44	40
				D	0.034	0.076	0.136	0.212	0.305	0.415	0.544	0.688	0.846	1.027	1.221	1.437	1.666	1.897	2.175	2.459	2.754	3.070	3.426
				C	1981	1321	990	792	660	566	495	440	396	360	330	305	283	264	248	233	220	209	198
				D	0.027	0.061	0.109	0.170	0.244	0.333	0.434	0.549	0.678	0.821	0.977	1.148	1.330	1.526	1.740	1.961	2.198	2.456	2.713
TB-626-125	1-1/4"	0.626"	3.3	U	6063	2695	1516	970	674	495	379	299	243	200	168	144	124	108	95	84	75	67	61
				D	0.027	0.061	0.108	0.169	0.243	0.331	0.432	0.546	0.676	0.815	0.969	1.145	1.326	1.522	1.733	1.952	2.191	2.430	2.716
				C	3032	2021	1516	1213	1011	866	758	674	606	551	505	466	433	404	379	357	337	319	303
				D	0.022	0.049	0.086	0.135	0.194	0.265	0.346	0.438	0.540	0.653	0.777	0.912	1.058	1.214	1.382	1.562	1.750	1.949	2.159
TB-626-150	1-1/2"	0.626"	3.6	U	8084	3593	2021	1293	898	660	505	399	323	267	225	191	165	144	126	112	100	90	81
				D	0.023	0.051	0.091	0.142	0.205	0.279	0.364	0.461	0.569	0.689	0.822	0.961	1.117	1.284	1.455	1.648	1.849	2.066	2.283
				C	4042	2695	2021	1617	1347	1155	1011	898	808	735	674	622	577	539	505	476	449	425	404
				D	0.018	0.041	0.073	0.114	0.164	0.223	0.292	0.369	0.455	0.551	0.657	0.770	0.892	1.025	1.166	1.318	1.476	1.643	1.822
TB-626-200	2"	0.626"	4.1	U	12692	5641	3173	2031	1410	1036	793	627	508	420	353	300	259	226	198	176	157	141	127
				D	0.017	0.039	0.069	0.108	0.156	0.212	0.277	0.351	0.434	0.525	0.625	0.731	0.849	0.977	1.108	1.255	1.407	1.569	1.735
				C	6346	4231	3173	2538	2115	1813	1587	1410	1269	1154	1058	976	907	846	793	747	705	668	635
				D	0.014	0.031	0.055	0.087	0.125	0.170	0.222	0.281	0.347	0.420	0.499	0.586	0.680	0.780	0.887	1.003	1.123	1.252	1.388
TB-940-100	1"	0.940"	3.0	U	4204	1868	1051	673	467	343	263	208	168	139	117	100	86	75	66	58	52	47	42
				D	0.031	0.070	0.125	0.195	0.281	0.382	0.500	0.633	0.779	0.944	1.125	1.325	1.532	1.761	2.006	2.247	2.532	2.841	3.117
				C	2102	1401	1051	841	701	601	526	467	420	382	350	323	300	280	263	247	234	221	210
				D	0.025	0.056	0.100	0.156	0.225	0.306	0.400	0.505	0.623	0.755	0.898	1.053	1.222	1.403	1.599	1.801	2.025	2.250	2.493
TB-940-125	1-1/4"	0.940"	4.2	U	6953	3090	1738	1112	773	568	435	343	278	230	193	165	142	124	109	96	86	77	70
				D	0.024	0.054	0.097	0.151	0.218	0.297	0.387	0.489	0.605	0.732	0.870	1.025	1.186	1.365	1.553	1.744	1.963	2.182	2.435
				C	3476	2318	1738	1391	1159	993	869	773	695	632	579	535	497	464	435	409	386	366	348
				D	0.019	0.044	0.077	0.121	0.174	0.237	0.310	0.392	0.484	0.585	0.696	0.818	0.949	1.090	1.240	1.398	1.566	1.747	1.937
TB-940-150	1-1/2"	0.940"	4.4	U	9378	4168	2344	1500	1042	766	586	463	375	310	260	222	191	167	147	130	116	104	94
				D	0.020	0.046	0.082	0.128	0.184	0.251	0.327	0.414	0.512	0.619	0.736	0.865	1.001	1.153	1.314	1.481	1.661	1.849	2.052
				C	4689	3126	2344	1876	1563	1340	1172	1042	938	853	781	721	670	625	586	552	521	494	469
				D	0.016	0.037	0.065	0.102	0.147	0.201	0.262	0.332	0.410	0.496	0.589	0.692	0.803	0.921	1.048	1.184	1.327	1.479	1.638
TB-940-200	2"	0.940"	5.0	U	14875	6611	3719	2380	1653	1214	930	735	595	492	413	352	304	264	232	206	184	165	149
				D	0.016	0.035	0.063	0.098	0.141	0.192	0.251	0.318	0.392	0.475	0.565	0.663	0.770	0.881	1.003	1.135	1.274	1.418	1.572
				C	7438	4958	3719	2975	2479	2125	1859	1653	1488	1352	1240	1144	1063	992	930	875	826	783	744
				D	0.013	0.028	0.050	0.078	0.113	0.154	0.201	0.254	0.314	0.380	0.452	0.530	0.616	0.707	0.804	0.907	1.017	1.133	1.256

U - Uniform Load - Lbs. per Square Foot

D - Deflection - in Inches

C - Concentrated Load - Lbs. per Square Foot of Width at Mid Span

- Span and loading values to the left of the bolded black line produce a deflection of 1/4" or less under a uniform load of 100 lbs. per square foot, allowing for safe pedestrian comfort. Span and loading values to the right of the bolded black line are applicable to other types of loads at the discretion of a licensed engineer.
- Loading and deflection values are theoretical and based on a maximum allowable fiber stress (Fs) of 12,000 PSI, E = 10,000,000 PSI.
- Technical information provided is theoretical and for evaluation by technically skilled persons, with any use thereof to be at their independent discretion and risk. **McNICHOLS** shall have no responsibility or liability for results obtained or damages resulting from improper evaluation or use of Bar Grating.

 TB-940 is ADA compliant when direction of bearing bars [span] installed perpendicular to the dominant direction of travel.

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